Resource Adequacy: Not *Just* Keeping the Lights on

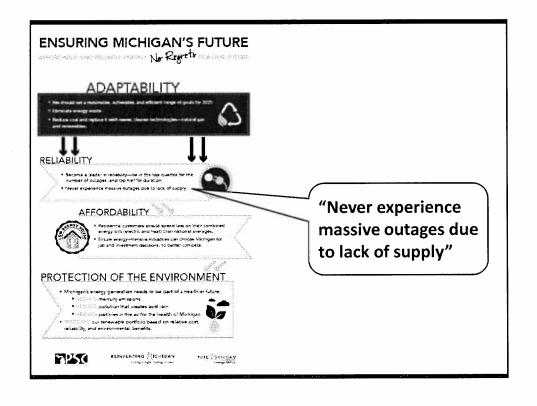
Sally Talberg, Commissioner March 4, 2015



MICHIGAN PUBLIC SERVICE COMMISSION

## **Fundamentals**

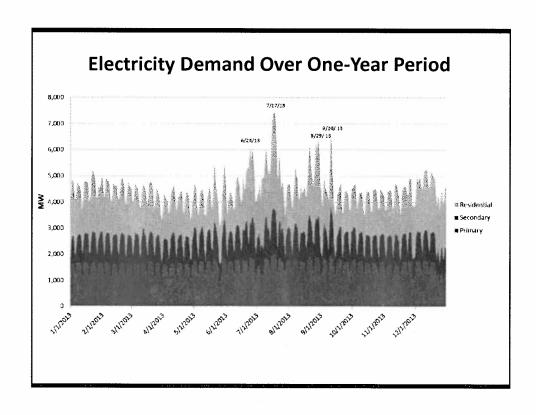
- Types of reliability
  - Operational (day to day) Operating generation and transmission system within equipment and system limits to maintain stability
  - Resource adequacy Ensuring enough resources to meet aggregate demand at peak times
    - Assumptions about future supply and demand
    - Buffer (reserve margin) to account for fluctuations in demand or supply
- Energy (kWh) vs. capacity (kW)

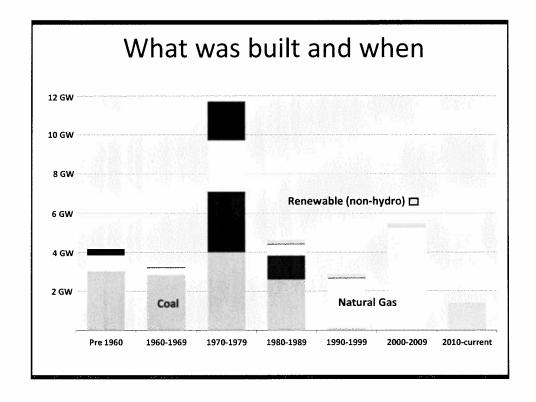


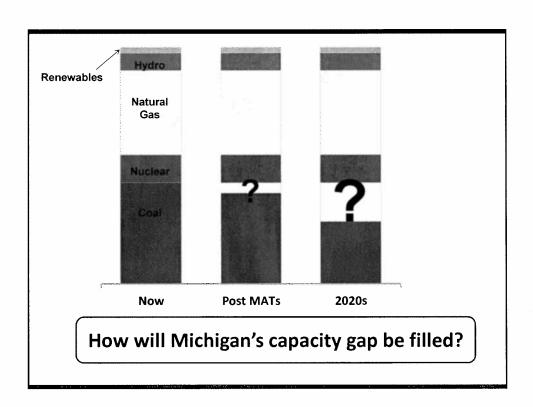


## Before Super Bowl and snowstorm

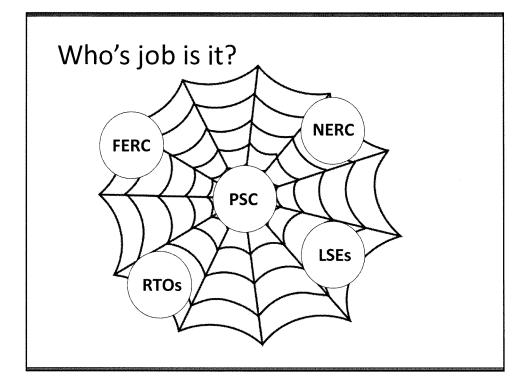








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## MPSC Resource Assessment

- Utilities and alternative suppliers asked to file assessments of plans to meet customer demand
  - Supply and demand five years out (2015-2019)
- RTOs, transmission companies, and others may file responses
  - Due April 6

## Conclusion

- Primary objective: keep lights on
- State ultimately responsible for resource adequacy
- MPSC working with energy providers and others on scope of problem
- Going forward, makes sense to review the tools for solving these issues